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DEPARTMENT OF NATURAL RESOURCES

RONALD O. SKOOG, Director

August 1, 1984

Reply To:

4th Floor
State Office Building
301 E. Louis Glick Hwy.
Jackson, MI 49201

Hoover Universal, Inc.
825 Victors Way
Ann Arbor, MI 48106

Attention: Mr. Raymond Jusak, Staff Environmental Eng.

Dear Mr. Jusak:

Re: Universal Die Casting, Inc. Hydrogeological Evaluation

We are writing to comment on the Hydrogeological Evaluation performed at the Universal Die Casting, Inc., Saline, Michigan plant, and submitted to this office in March, 1983. Per your request, these comments are directed to Hoover Universal, Inc. with the understanding that, as the former owners of the facility, Hoover has committed to performing remedial action necessitated by problems associated with plant operations during the time of Hoover's ownership.

The report pointed out three items of concern:

1. The groundwater on the plant side of the Saline River was found to be contaminated with heavy metals and a unidentified black oily substance. This contaminated groundwater vented to the river. The extent of the contamination was not determined. A source of the metal contamination appeared to be the wastewater polishing lagoons, but it was not confirmed that this was the only source. The source of the black, oily contamination was not determined.
2. The sediment in the vicinity of the polishing lagoons was found to be contaminated with a black oily substance. The source and extent of this contamination was not determined.
3. The groundwater on the south side of the Saline River in the vicinity of the abandoned sludge storage lagoons was found to be contaminated by heavy metals. This contaminated groundwater was found to vent to the Saline River. The concentrations of contaminants were low, but there were unexplained high concentrations at an upgradient monitoring well which should have been out of the influence of the storage lagoon.

File: Hoover Ball & Bearing, Washenaw Co.

by Johnson, Johnson Feb 83

These findings indicate the need for further study. We request the following additional work be done: ^{Feb 1 83}

- A. Determine the extent and source of both the metals and oily black contamination of the groundwater and sediment on the north side of the river. We agree with the report's recommendation that a series of shallow soil borings be performed to aid in this determination. We also request that an analysis for polychlorinated biphenols (PCB) be performed on the groundwater and sediment contaminated by the black oily substance. We suspect the presence of PCB in this material because a recent analysis of a similar material found at the Monroe Street bridge adjacent to the plant site showed the presence of Archlor 1254.
- B. Reevaluate the existing data and, if necessary, acquire additional data to determine all sources of the groundwater contamination found on the south side of the river.

Please submit a plan to this office detailing how the above requested determination will be done by September 15, 1984. This plan should include a timetable for implementation of study.

If you have any questions or comments, please contact me.

Sincerely,

Byron Lane

Byron Lane
Environmental Engineer
Surface Water Quality Division
(517) 788-9598

BL:lc

cc: - R. Koolstra, GWQD ✓

- Greg Danneberg
- J. Truchan, EED